

What will I know by the end of the topic?	
What are vertebrates? • Vertebrates are animals that have a backbone. • There are five groups of vertebrates: • mammals • fish • birds • reptiles • amphibians	What are mammals? • give birth to live young • usually have hair or fur • warm-blooded • cannot breathe underwater • some common mammals are: • pets such as dogs, cats, hamsters • farm animals such as cows, sheep and horses • wild animals such as foxes, hedgehogs, lions and giraffes • humans

What are fish? • have fins and scales • breathe underwater using gills • lay eggs in water • cold-blooded • some common fish are salmon, cod and tuna	What are birds? • warm-blooded • have wings and beaks • have feathers • lay eggs • some common birds are ducks, chickens, penguins and pigeons
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What are reptiles? • cold-blooded • lay eggs • have scales • cannot breathe underwater • some common reptiles are snakes and lizards	What are amphibians? • cold-blooded • lay eggs • live on land and water - can breathe underwater through gills • some common amphibians are frogs and toads
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What are invertebrates? • Invertebrates are animals that do not have a backbone. • They include: • insects such as flies, ladybirds and bees • arachnids such as spiders • molluscs such as snails
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Investigate!
-use observations in the local environment to compare animals -describe how to identify and group animals -group animals according to what they eat -research how to take care of animals taken from the local environment and how to return them safely

Year One Science: Animals including humans



What do animals eat?
-Animals that only eat meat (other animals) are called carnivores (examples include lions and eagles). -Animals that only eat plants are called herbivores (examples include cows and giraffes) -Animals that eat plants and meat are called omnivores (examples include humans and squirrels)

Vocabulary	
backbone	the column of small linked bones down the middle of your back
carnivores	an animal that eats meat
cold-blooded	a body temperature that changes according to the surrounding temperature
environment	all the circumstances, people, things, and events around them that influence their life
farm	an area of land used to produce crops or to breed animals and livestock
gills	the organs on the sides of fish and other water creatures through which they breathe
herbivore	an animal that only eats plants
invertebrate	a creature that does not have a spine, for example an insect, a worm, or an octopus
omnivore	person or animal eats all kinds of food, including both meat and plants
pet	a tame animal kept in a household
temperature	a measure of how hot or cold something is
vertebrate	a creature which has a spine
warm-blooded	a fairly high body temperature which does not change much and is not affected by the surrounding temperature
wild	animals or plants that live or grow in natural surroundings and are not looked after by people